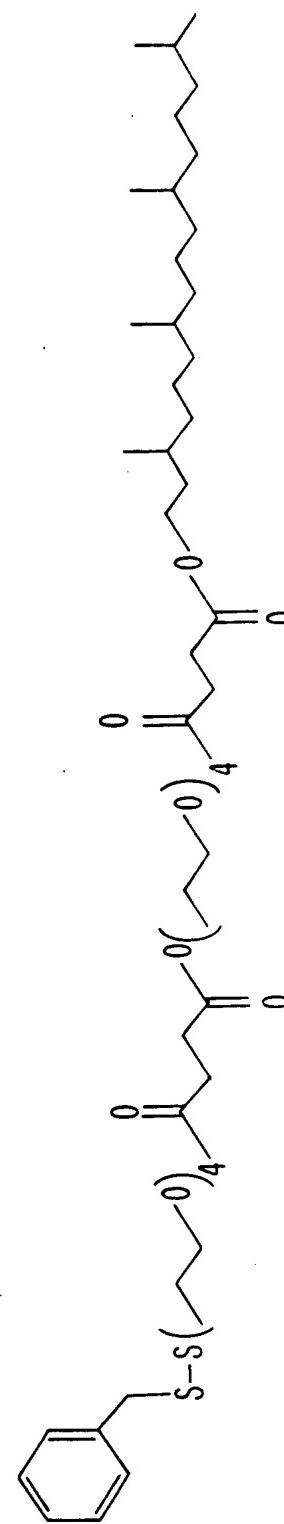


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	435	4

5879878

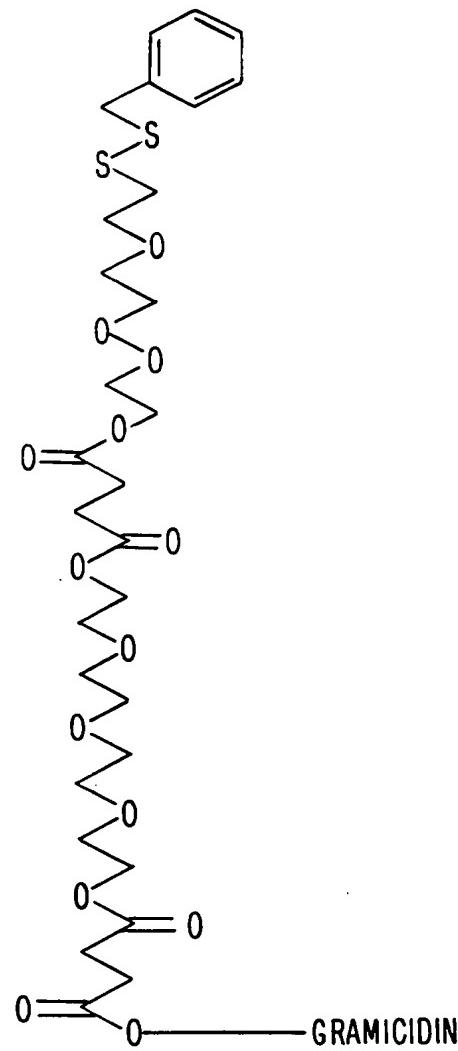
1/15

FIG. I



APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

2/15

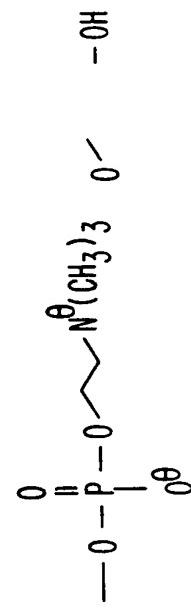
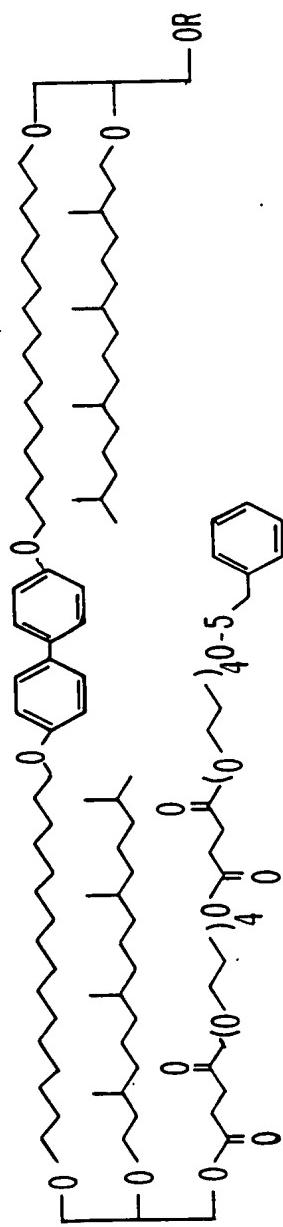


LINKER GRAMICIDIN B

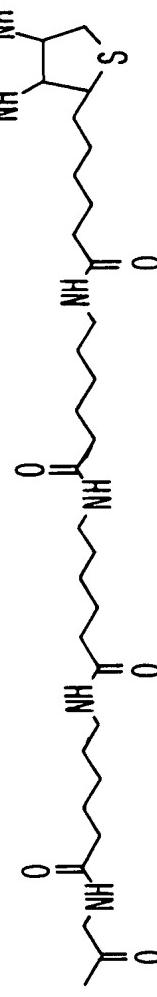
FIG. 2

APPROVED BY DRAFTSMAN	O.G. FIG. CLASS SUBCLASS
-----------------------------	--------------------------------

3 / 15



MEMBRANE SPANNING LIPID D

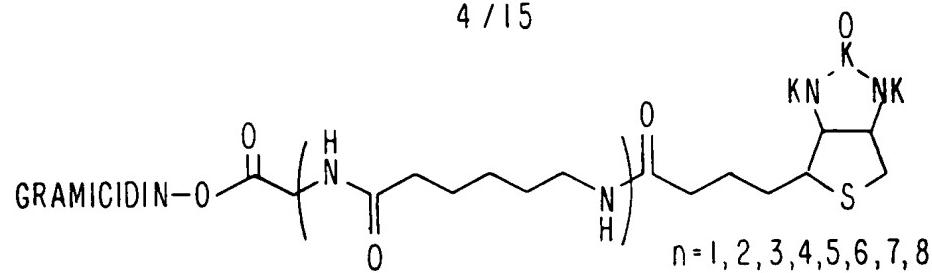


MEMBRANE SPANNING LIPID C

FIG. 3

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

4 / 15



BIOTINYLATED GRAMICIDIN E

FIG. 4

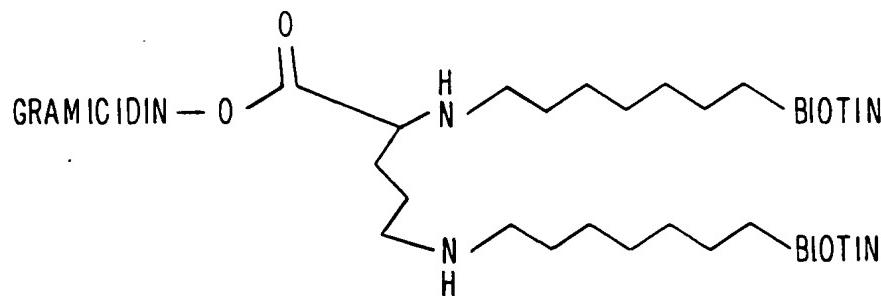


FIG. 5

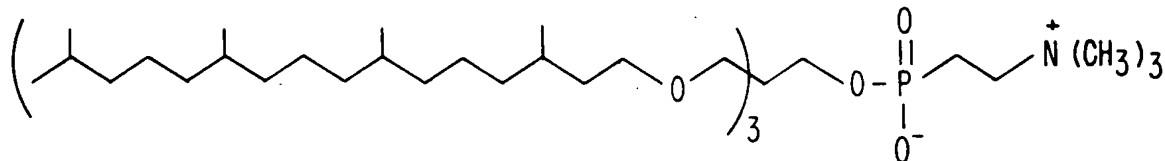


FIG. 6

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

5 / 15

FIG. 7B

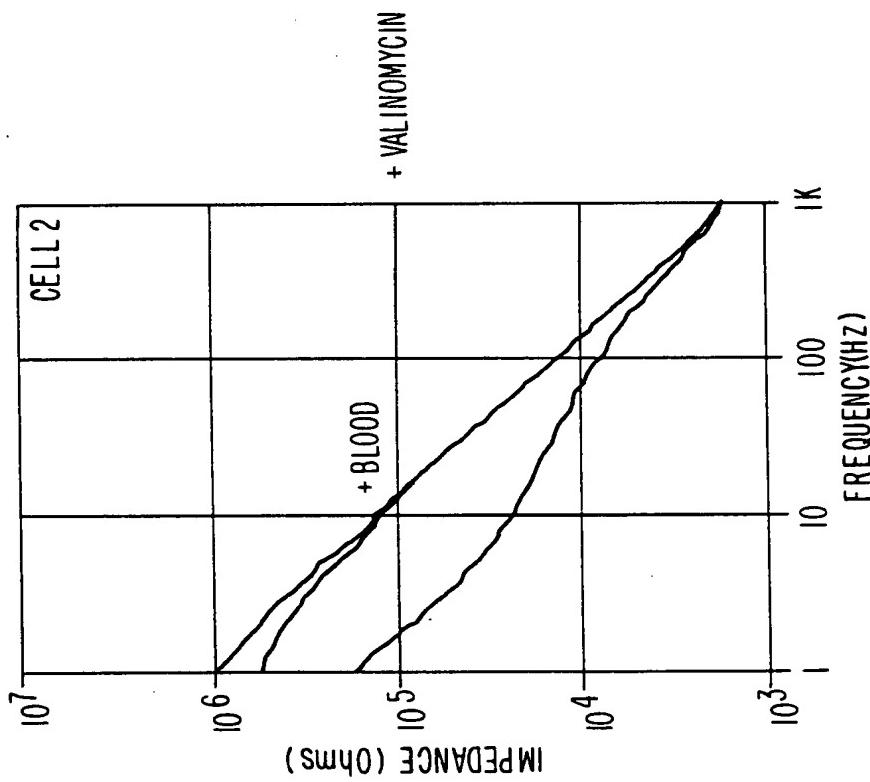
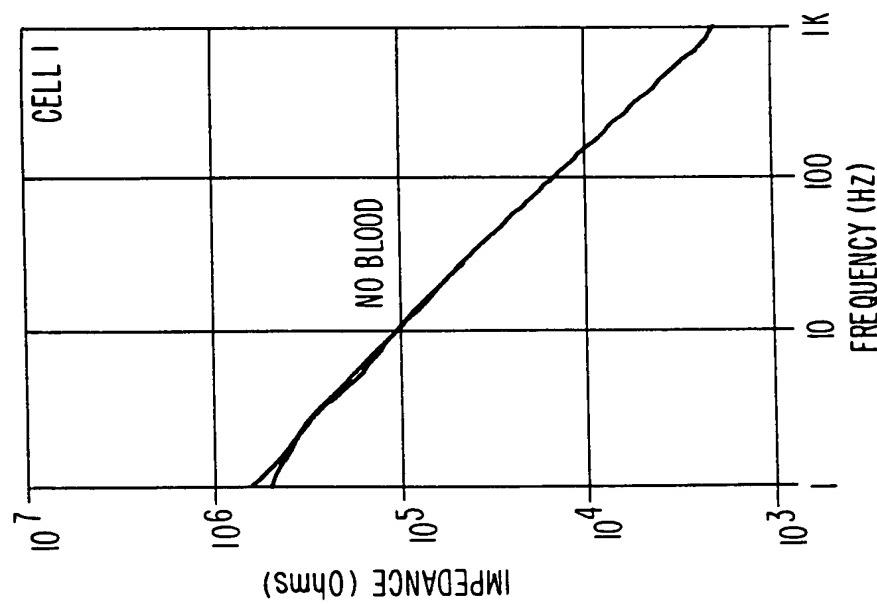


FIG. 7A



APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

FIG. 7D

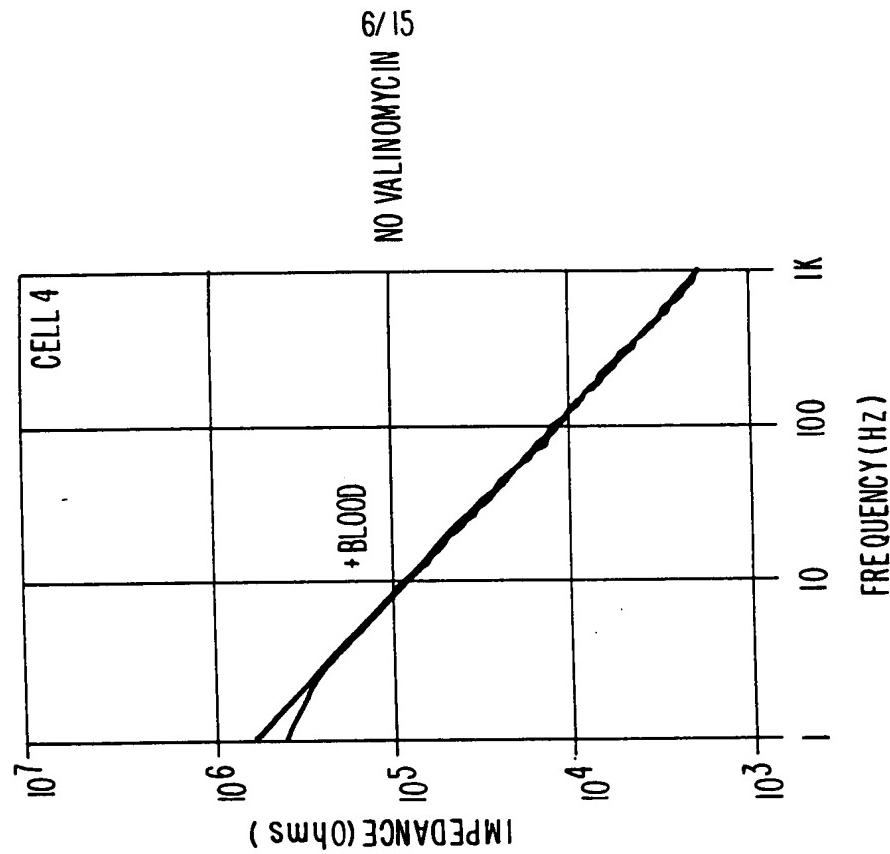
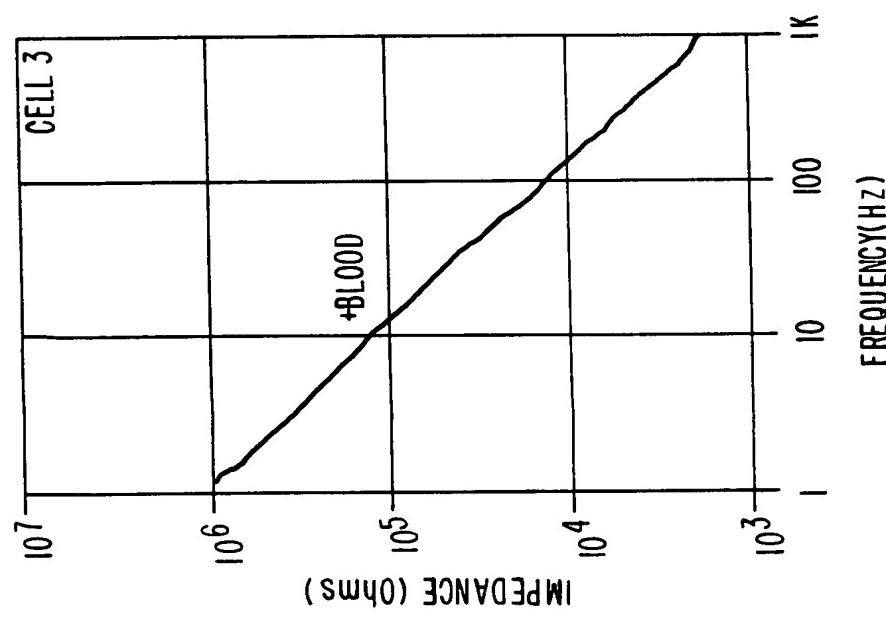


FIG. 7C

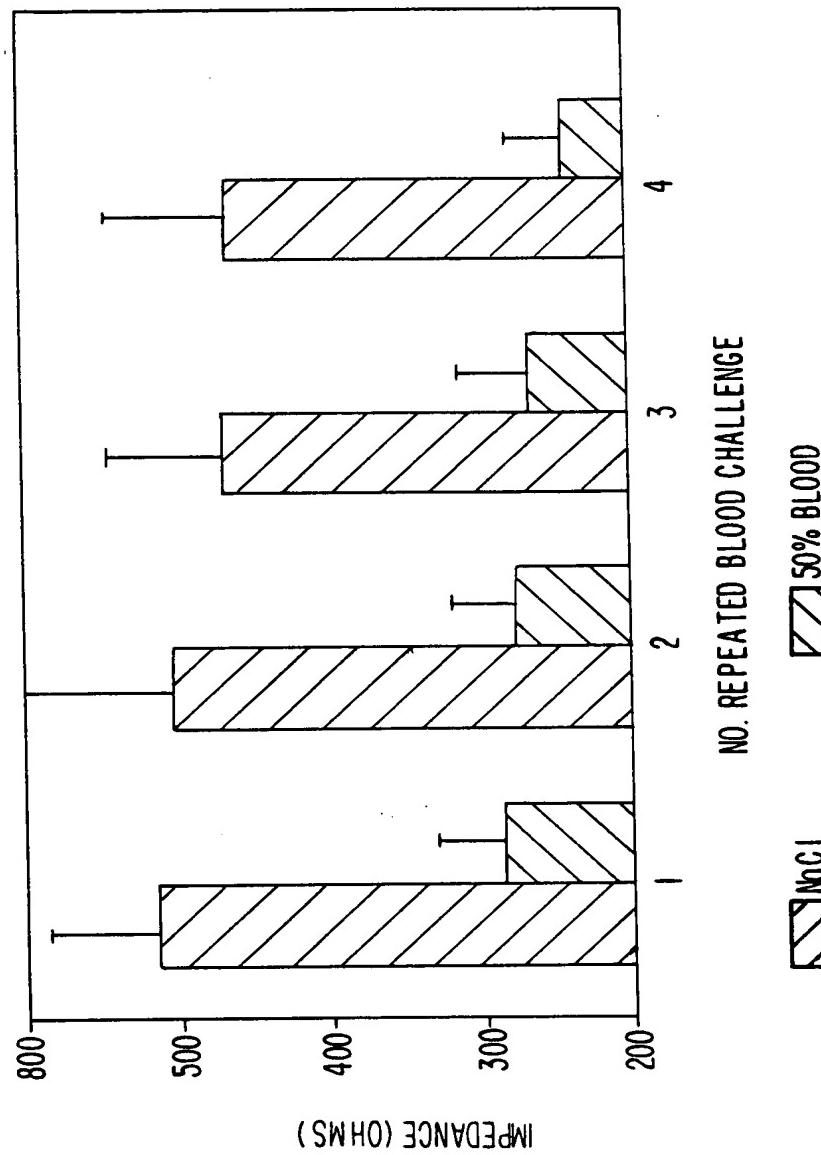


APPROVED BY	O.G. FIG.
DRAFTSMAN	CLASS SUBCLASS

7/15

FIG. 8

REPEATED CHALLENGE WITH BLOOD:
ALL MONOLAYERS, PBS WASH, + MM VAL

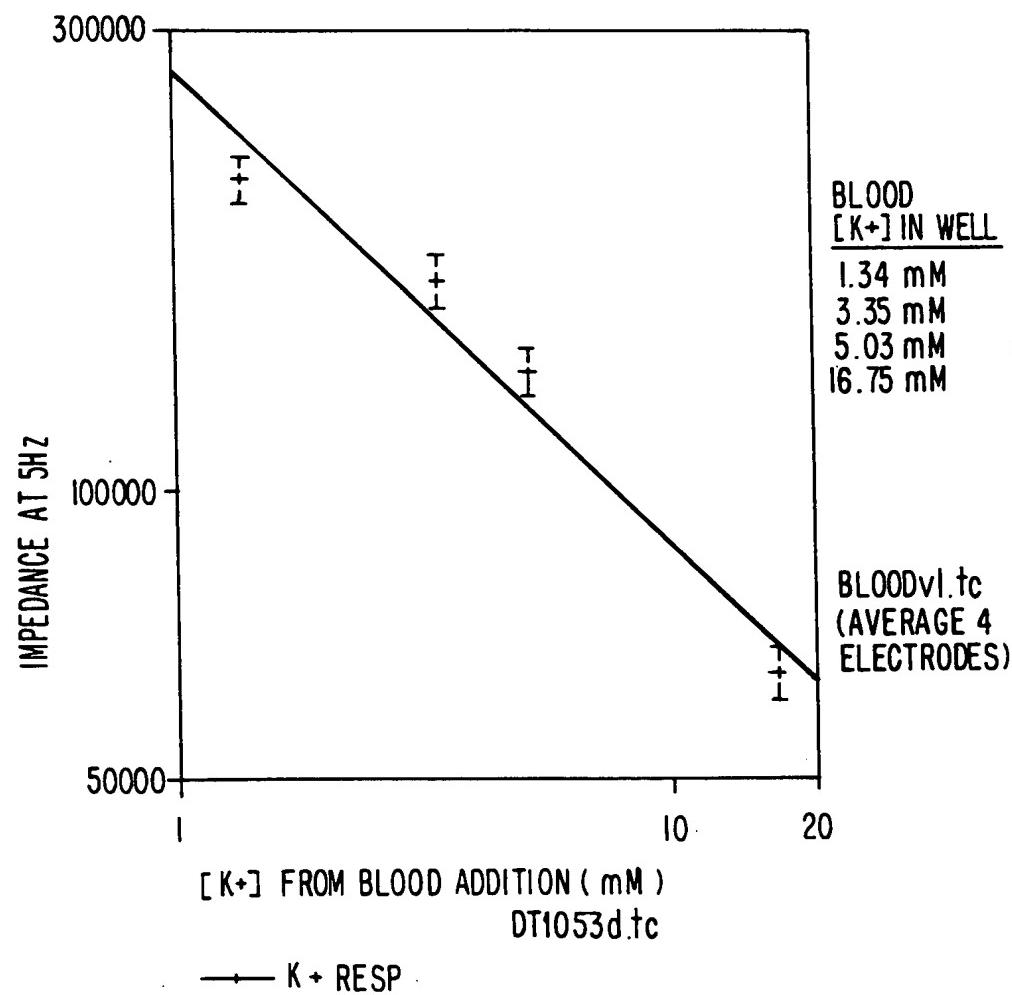


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

8/15

FIG. 9

BLOOD-VOLUME TITRATION



APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

9/15

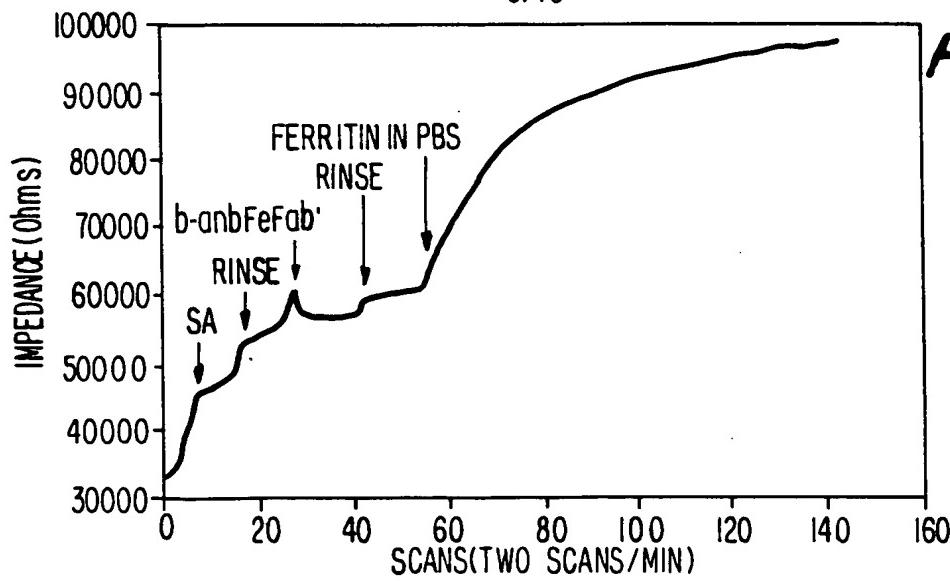


FIG. 10A

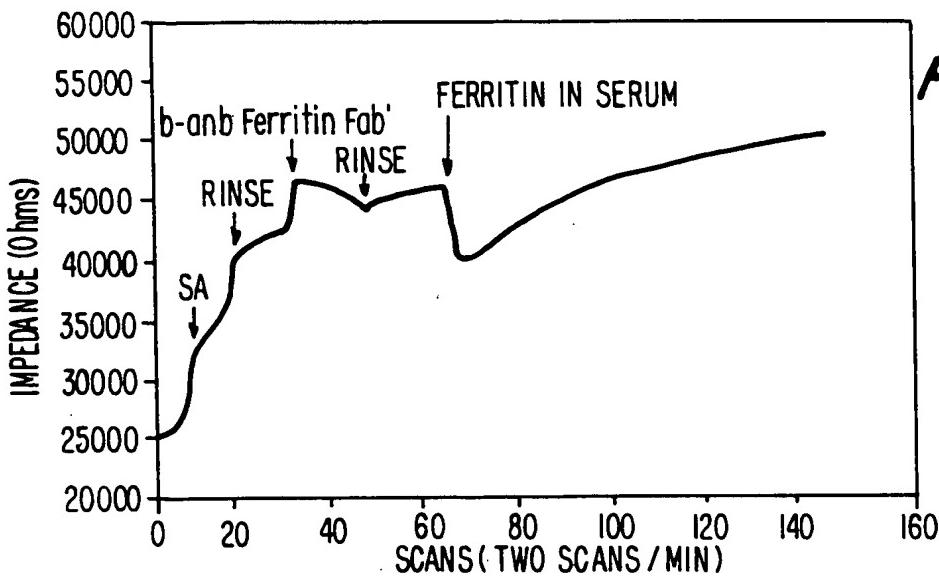


FIG. 10B

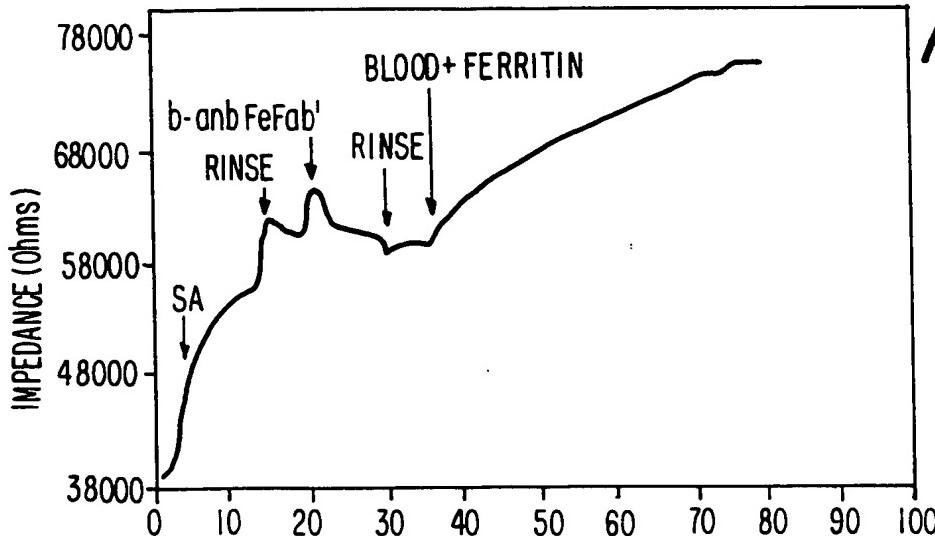


FIG. 10C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

10 / 15

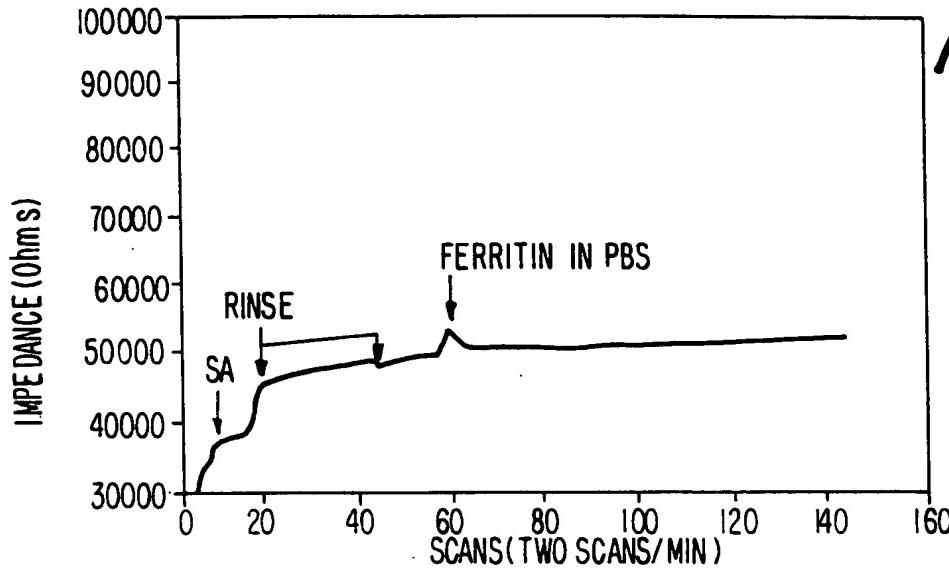


FIG.10D

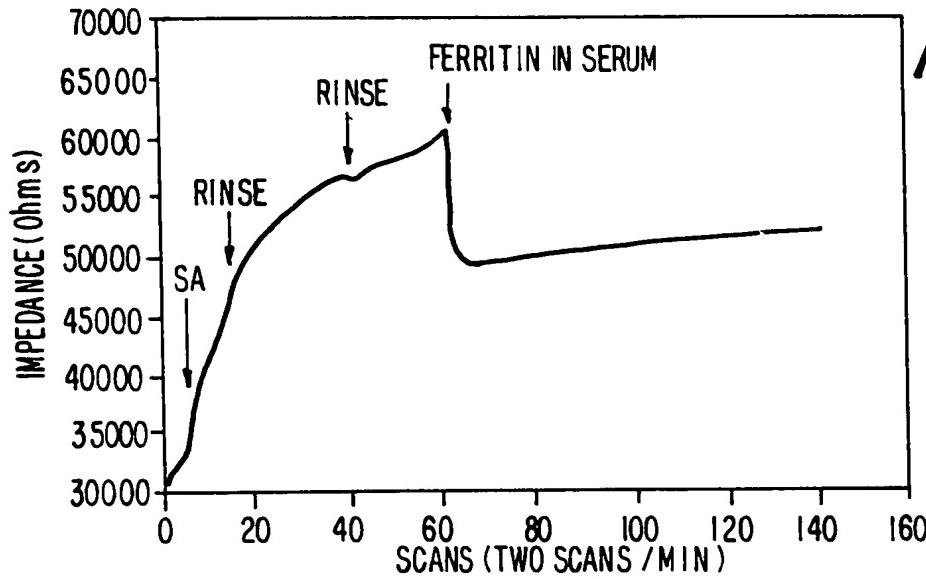


FIG.10E

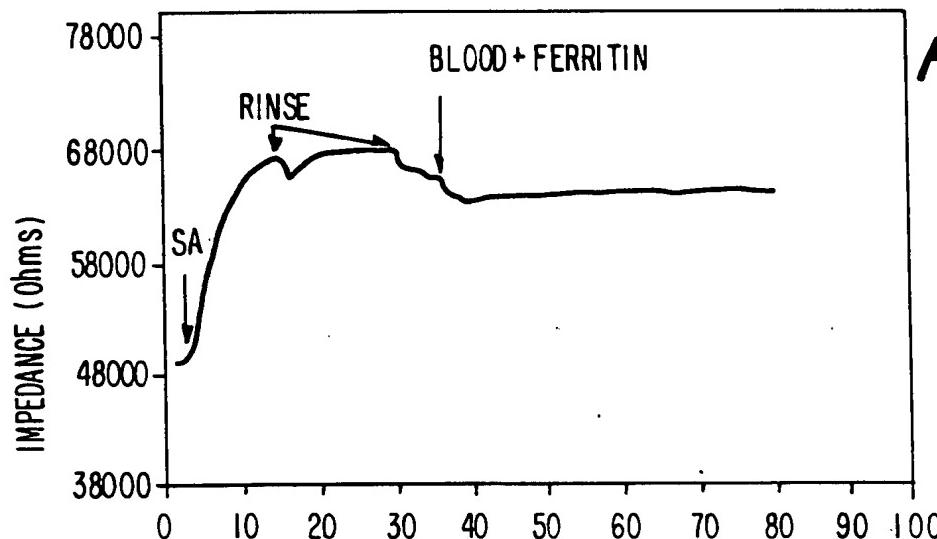


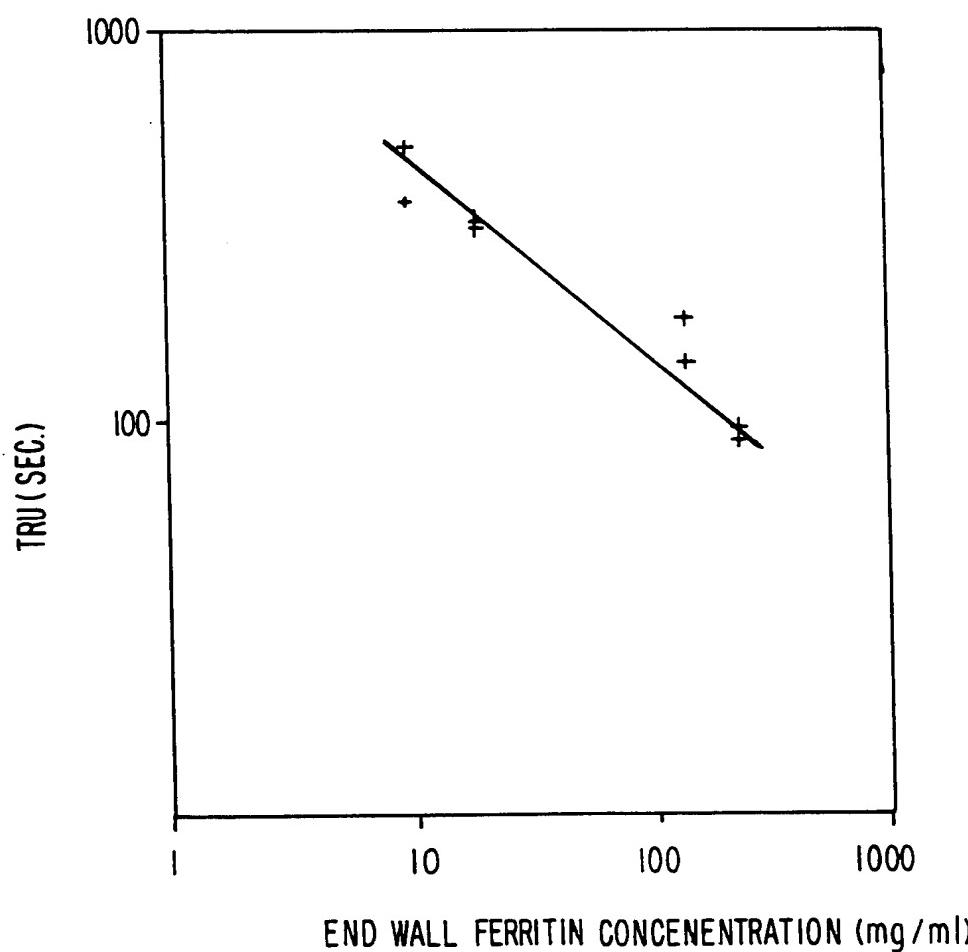
FIG.10F

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

11/15

FIG. 11

ENDOGENOUS SERUM FERRITIN DETECTION
FROM 4 DIFFERENT VOLUNTEERS

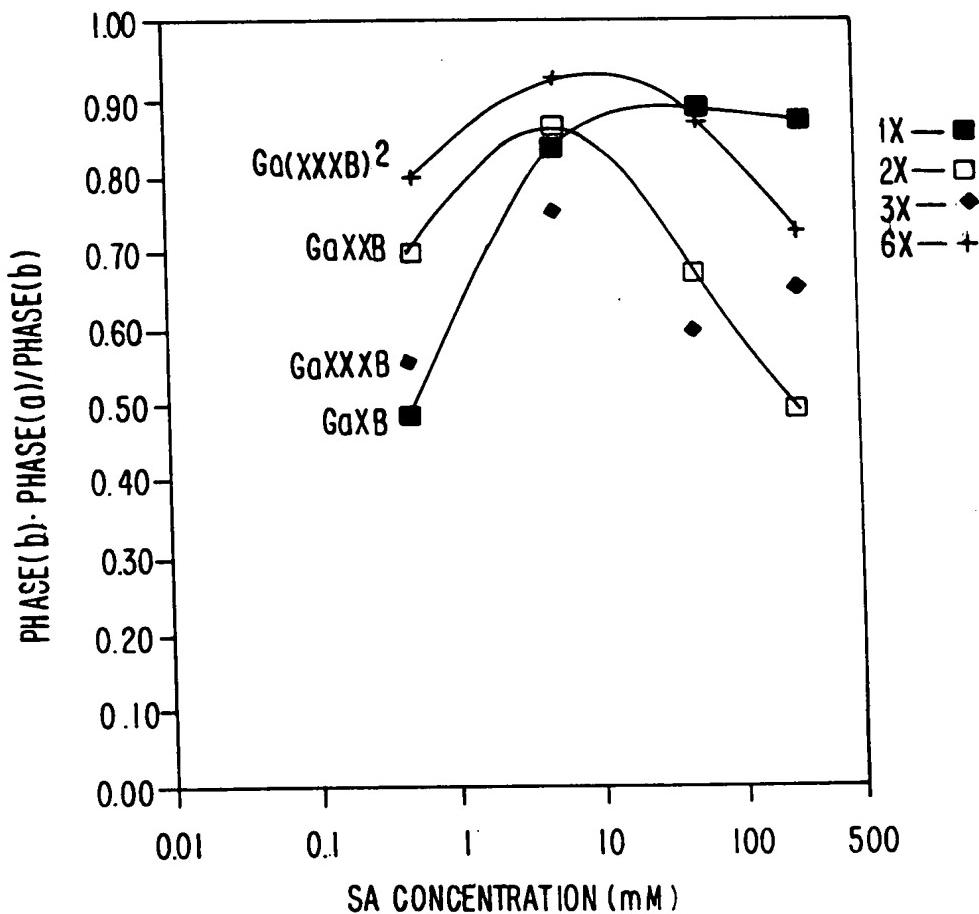


APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

12 / 15

FIG. 12

SA TITRATION WITH VARIOUS GaX..B



METHOD: 5/4 MEMBRANES

1st LAYERS: 10 mM GMPE
1 mM DLP
10 μ M MSLXXB
0.8 mM MAAD
0.1 μ M GAYYSS

2nd LAYERS: 28 mM GMPE
0.28 μ M GaX..B CHOSEN FROM THE FOLLOWING:
GaXB
GaXXB
GaXXXB
 $Ga(XXXB)^2$

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

13/15

EXAMPLE OF T_4 ASSAY WITH AMBRIBIOSENSOR

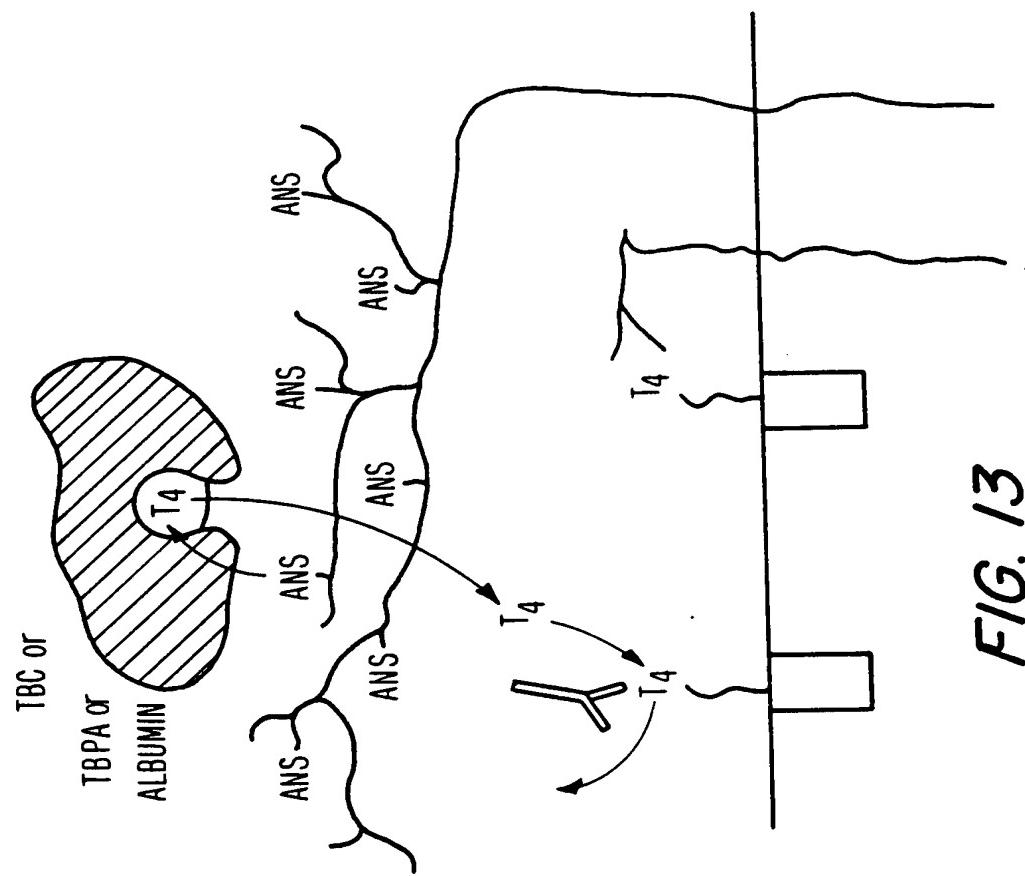
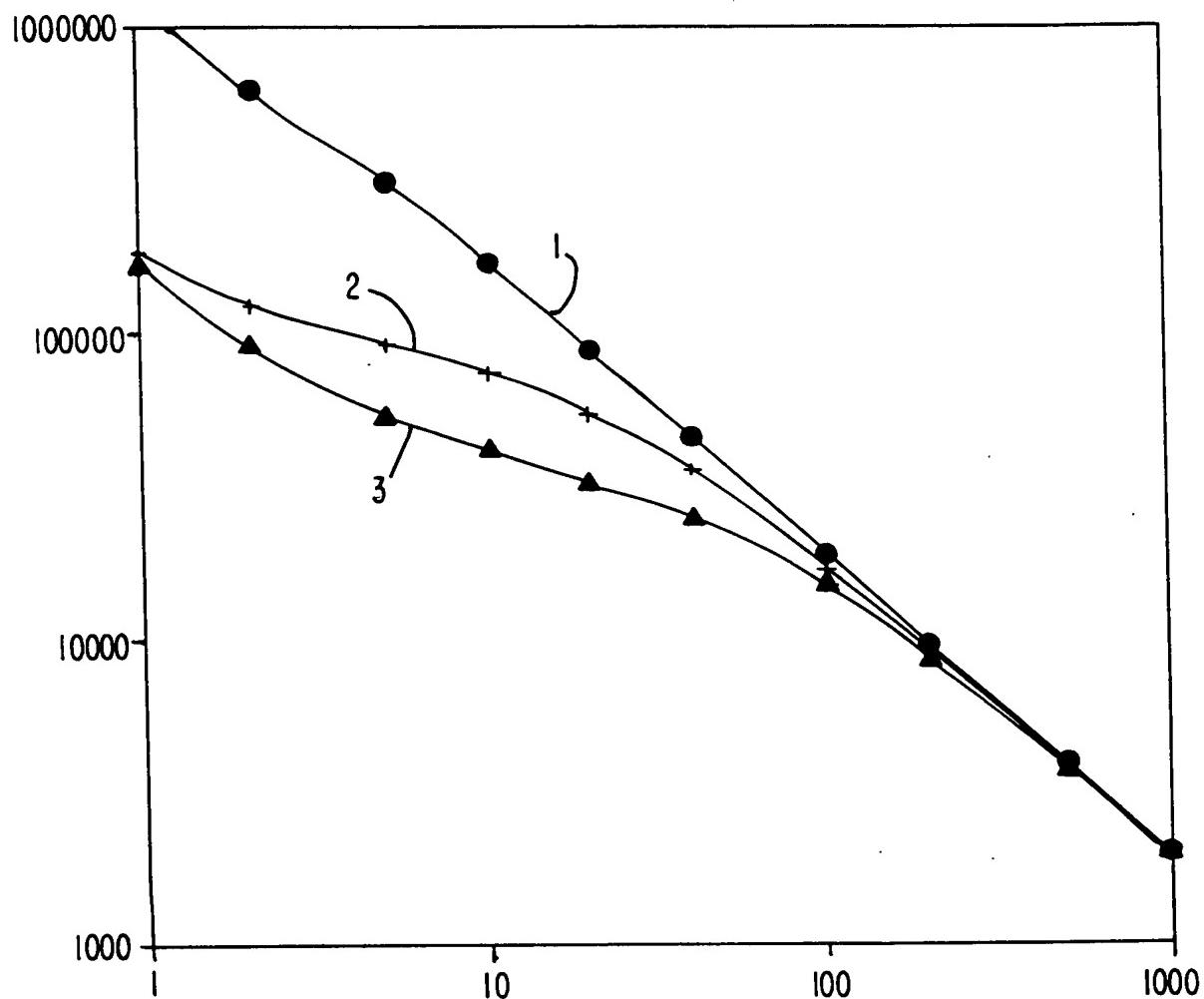


FIG. 13

APPROVED BY	O.G. FIG.
	CLASS SUBCLASS
DRAFTSMAN	

14/15

FIG. 14

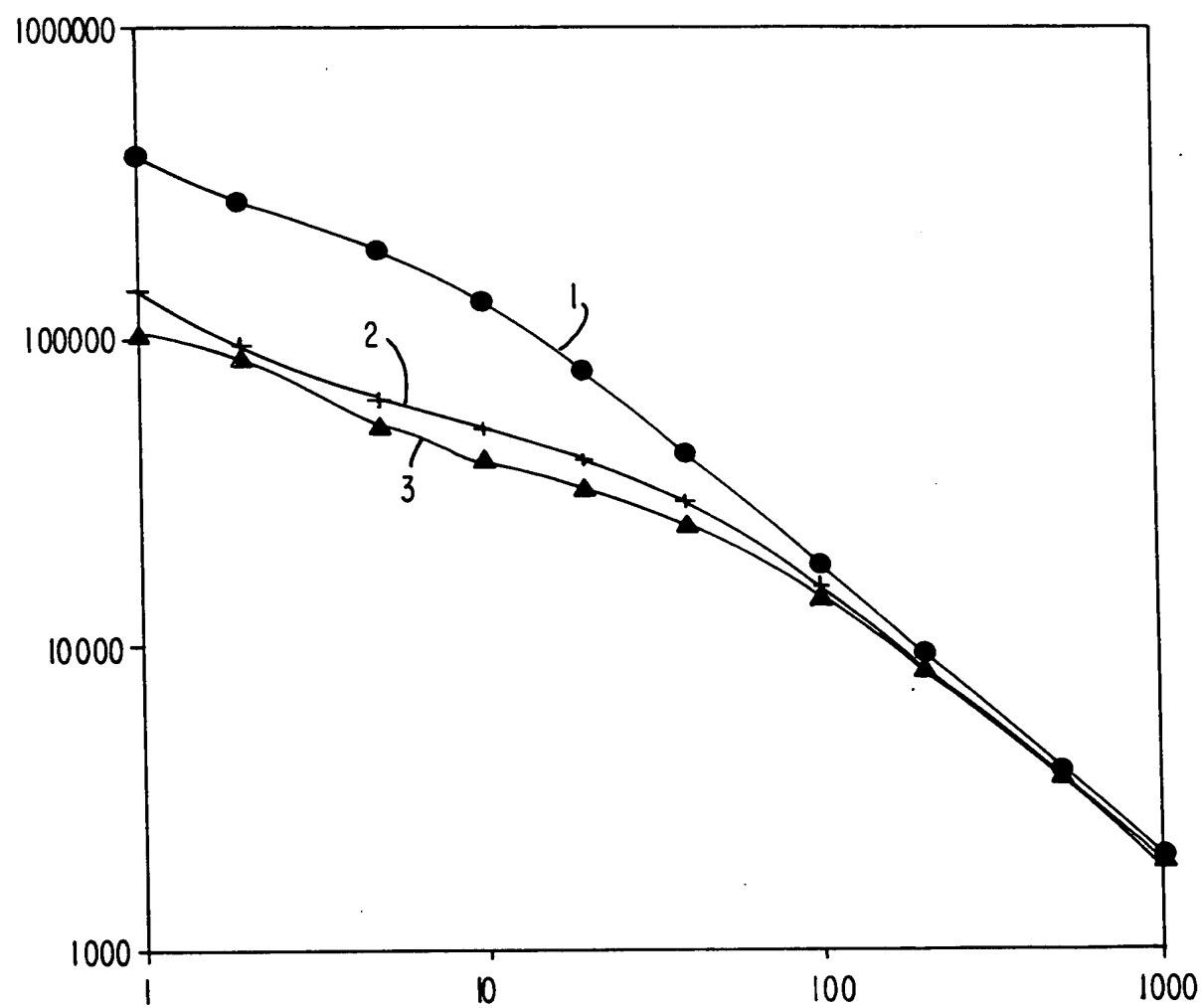


- (1) BEFORE THE ADDITION OF GRAMICIDIN/SDS
- (2) AFTER THE ADDITION OF GRAMICIDIN/SDS, STREPTAVIDIN AND BIOTINYLATED FAB'
- (3) AFTER THE ADDITION OF FERRITIN

APPROVED BY	O.G. FIG.	
	CLASS	SUBCLASS
DRAFTSMAN	"	

15 / 15

FIG. 15



- (1) BEFORE ADDITION OF GRAMICIDIN / STREPTAVIDIN
- (2) AFTER ADDITION OF GRAMICIDIN/STREPTAVIDIN AND BIOTINYLATED FAB'S
- (3) AFTER ADDITION OF TSH